ICF Consulting / Laboratory Data Consultants
Environmental Services Assistance Team, Region 9
1337 South 46th Street, Building 201, Richmond, CA 94804-4698
Phone: (510) 412-2300 Fax: (510) 412-2304

MEMORANDUM

TO: Lisa Hanusiak, Remedial Project Manager
Site Cleanup Section 3, SFD-7-3

THROUGH: Rose Fong, ESAT Task Order Project Officer (TOPO) RF
Quality Assurance (QA) Program, PMD-3

FROM: Doug Lindelof, Data Review Task Manager
Region 9 Environmental Services Assistance Team (ESAT)

ESAT Contract No.: 68-W-01-028
Technical Direction Form No.: 00905037 Amendment 1

DATE: July 27, 2005

SUBJECT: Review of Analytical Data, Tier 3

Attached are comments resulting from ESAT Region 9 review of the following analytical data:

Site:	Alhambra
Site Account No.:	09 ES LA01
CERCLIS ID No.:	CAD980818579
Case No.:	34175
SDG No.:	Y1X91
Laboratory:	Liberty Analytical Corp. (LIBRTY)
Analysis:	Volatiles
Samples:	20 Water Samples (see Case Summary)
Collection Date:	May 17, 18, and 19, 2005
Reviewer:	Kendra DeSantolo, ESAT/Laboratory Data Consultants

This report has been reviewed by the EPA TOPO for the ESAT contract, whose signature appears above.

If there are any questions, please contact Rose Fong (QA Program/EPA) at (415) 972-3812.

Attachment

cc: Edward Messer, CLP PO USEPA Region 4
Steve Remaley, CLP PO USEPA Region 9

CLP PO: [X] Attention [ ] Action

SAMPLING ISSUES: [X] Yes [ ] No

Data Validation Report

Case No.: 34175
SDG No.: Y1X91
Site: Alhambra
Laboratory: Liberty Analytical Corp. (LIBRTY)
Reviewer: Kendra DeSantolo, ESAT/LDC
Date: July 27, 2005

I. CASE SUMMARY

Sample Information

Samples:	Y1X91 through Y1X99, Y1XA0 through Y1XA9, and Y1XB0
Concentration and Matrix:	Low Concentration Water
Analysis:	Volatiles
SOW:	OLC03.2 – Modification Reference No. 1125.1
Collection Date:	May 17, 18, and 19, 2005
Sample Receipt Date:	May 18, 19, and 20, 2005
Extraction Date:	Not Applicable
Analysis Date:	May 25 and 26, 2005

Field QC

Field Blanks (FB):	Not Provided
Equipment Blanks (EB):	Y1X96, Y1XA2, and Y1XB0
Background Samples (BG):	Not Provided
Field Duplicates (D1):	Y1X92 and Y1X93
Field Duplicates (D2):	Y1XA8 and Y1XA9

Laboratory QC
Method Blanks & Associated Samples:

VBLKFJ:	Y1X91 through Y1X94, Y1X96 through Y1X99, and Y1XA0 through Y1XA5
VBLKFK:	Y1X94DL, Y1X95, Y1XA6 through Y1XA9, Y1XB0, Y1XA7MS, Y1XA7MSD, and storage blank VHBLKYR

TABLES

1A: Analytical Results with Qualifications
1B: Data Qualifier Definitions for Organic Data Review
2: Calibration Summary

CLP PO Action

None.

CLP PO Attention

1. Detected results for dichlorodifluoromethane, acetone, methylene chloride, and toluene in the samples are qualified as nondetected and estimated (U,J) due to method blank, storage blank, and equipment blank contamination (see Comment B).

2. Results for some analytes are qualified as estimated (J) due to calibration problems (see Comment C).

3. Results for some analytes are qualified as estimated (J) due to deuterated monitoring compound (DMC) recovery problems (see Comment D).

4. Detected results for tertiary butyl alcohol are qualified as nondetected and estimated (U,J) due to compound identification problems (see Comment E).

Sampling Issues

Detected results for acetone and methylene chloride are qualified as nondetected and estimated (U,J) due to equipment blank contamination (see Comment B).

Additional Comments

Other than laboratory and field artifacts (approximate retention times of 4.4, 4.8, 5.4, 5.8, 8.5, 10.8, 11.6, 12.8, and 14.2 minutes), tentatively identified compounds were found in samples Y1X92 through Y1X95, Y1X97 through Y1X99, Y1XA0, Y1XA1, Y1XA3, Y1XA6, Y1XA8, and Y1XA9 (see attached Form 1LCFs). Users should note that the TIC at retention time of 4.1 minutes was also found in equipment blanks Y1XA2 and Y1XB0, at concentrations of 0.99 ug/L and 0.93 ug/L respectively (see attached Form 1LCFs).

The laboratory performed manual integrations on calibration standards and samples due to incorrect auto integration. Manual integrations were reviewed and found to be satisfactory and in compliance with proper integration techniques.

This report was prepared in accordance with the following documents:

- ESAT Region 9 Standard Operating Procedure 901, *Guidelines for Data Review of Contract Laboratory Program Analytical Services (CLPAS) Volatile and Semivolatile Data Packages*;

- *USEPA Contract Laboratory Program Statement of Work for Analysis of Low Concentration Organic,* OLC03.2, December 2000; and

- USEPA Contract Laboratory Program National Functional Guidelines for Low Concentration Organic Data Review, June 2001.

II. VALIDATION SUMMARY

The data were evaluated based on the following parameters:

	Parameter	Acceptable	Comment
1.	Holding Time/Preservation	Yes	
2.	GC/MS Tune/GC Performance	Yes	
3.	Initial Calibration	No	C
4.	Continuing Calibration	No	C
5.	Laboratory Blanks	No	B
6.	Field Blanks	No	B
7.	Deuterated Monitoring Compounds	No	D
8.	Matrix Spike/Matrix Spike Duplicates	Yes	
9.	Laboratory Control Samples/Duplicates	N/A	
10.	Internal Standards	Yes	
11.	Compound Identification	No	E
12.	Compound Quantitation	Yes	A, F
13.	System Performance	Yes	
14.	Field Duplicate Sample Analysis	Yes	

N/A = Not Applicable

III. VALIDITY AND COMMENTS

A. The following results, denoted with an "L" qualifier, are estimated and flagged "J" in Table 1A.

- All detected results below the contract required quantitation limits

Results below the contract required quantitation limits (CRQLs) are considered to be qualitatively acceptable, but quantitatively unreliable, due to the uncertainty in analytical precision near the limit of detection.

B. The following results are qualified as nondetected and estimated due to method blank, storage blank, and equipment blank contamination and are flagged "U,J" in Table 1A.

- Acetone in samples Y1X95, Y1X97, Y1XA0, and Y1XA6 through Y1XA9
- Methylene chloride in samples Y1X92, Y1X94, Y1X95, Y1X97 through Y1X99, Y1XA1, Y1XA3, Y1XA6 through Y1XA9, and Y1XB0
- Dichlorodifluoromethane in samples Y1X92 and Y1XA6
- Toluene in samples Y1X92, Y1X93, Y1X96, Y1XA2, and Y1XB0

Methylene chloride was found in method blank VBLKFK and equipment blanks Y1X96 and Y1XA2 (see Table 1A for concentrations). Toluene was found in method blank VBLKFJ and storage blank VHBLKYR (see Table 1A for

concentrations). Acetone was found in equipment blanks Y1X96, Y1XA2, and Y1XB0 (see Table 1A for concentrations). Dichlorodifluoromethane was found in storage blank VHBLKYR (see Table 1A for concentrations). Results for the samples listed above are considered nondetected and estimated (U,J) and quantitation limits have been raised according to blank qualification rules presented below.

No positive results are reported unless the concentration of the compound in the sample exceeds 10 times the amount in any associated blank for common laboratory contaminants or 5 times the amount for other compounds. If the sample result is greater than the CRQL, the quantitation limit is raised to the sample result and reported as nondetected. If the sample result is less than the CRQL, the result is reported as nondetected at the CRQL.

The methylene chloride result for sample Y1XA4 (0.11 μg/L) is not qualified as nondetected and estimated because methylene chloride is not detected in the associated method blank VBLKFJ and equipment blank Y1XB0. Users should note that methylene chloride may be an artifact because it was found in the method blank VBLKFK and equipment blanks Y1X96 and Y1XA2.

A laboratory method blank is laboratory reagent water or baked sand analyzed with all reagents, deuterated monitoring compounds, and internal standards and carried through the same sample preparation and analytical procedures as the field samples. The laboratory method blank is used to determine the level of contamination introduced by the laboratory during analysis.

A storage blank is laboratory reagent water stored in a vial in the same area as the field samples. The storage blank is used to determine the level of contamination introduced by the laboratory during sample storage prior to analysis.

An equipment blank is clean water that has been collected as a sample using decontaminated sampling equipment. The intent of an equipment blank is to monitor for contamination introduced by the sampling activity, although any laboratory introduced contamination will also be present.

C. Results for the following analytes are qualified as estimated due to low relative response factors (RRFs) in initial and continuing calibrations and are flagged "J" in Table 1A.

- Acetone and tertiary butyl alcohol in all samples, all method blanks, and storage blank VHBLKYR
- 2-Butanone in samples Y1X95, Y1XA6 through Y1XA9, and Y1XB0; method blank VBLKFK; and storage blank VHBLKYR

Average RRFs of 0.035 and 0.013 were reported for acetone and tertiary butyl alcohol, respectively, in the May 25, 2005 initial calibration. RRFs were below the

0.05 validation criterion for acetone and tertiary butyl alcohol in the May 25, 2005 continuing calibration and for acetone, 2-butanone, and tertiary butyl alcohol in the May 26, 2005 continuing calibration (see Table 2).

Detected results for the analytes listed above should be considered as the minimum concentrations at which these analytes are present in the samples. Where results are nondetected, false negatives may exist.

The DMCs 2-butanone-d5, trans-1,3-dichloropropene-d4, and 2-hexanone-d5 also had RRFs below the 0.05 validation criterion in initial and continuing calibrations (see Table 2). Quantitation of the analytes associated with these DMCs may have been affected by the low RRFs (see attached Table 9 from the Functional Guidelines).

The RRF evaluates instrument sensitivity and is used in the quantitation of target analytes.

D. Detected results and quantitation limits for the following analytes are qualified as estimated due to DMC recoveries outside QC limit, and are flagged "J" in Table 1A.

{1,1-Dichloroethene-d_2}
- *trans*-1,2-Dichloroethene and *cis*-1,2-dichloroethene in sample Y1X92

{1,2-Dichloropropane-d_6}
- Cyclohexane, methylcyclohexane, 1,2-dichloropropane, and bromodichloromethane in samples Y1X91, Y1X92, Y1X93, Y1X95, and Y1X96

{trans-1,3-Dichloropropene-d_4}
- *cis*-1,3-Dichloropropene, *trans*-1,3-dichloropropene, and 1,1,2-trichloroethane in sample Y1X91

The DMC recoveries outside QC limits are shown below.

Sample	DMC	% Recovery	QC Limits
Y1X92	1,1-Dichloroethene-d2	64	65-130
Y1X91	1,2-Dichloropropane-d6	82	84-123
Y1X92	1,2-Dichloropropane-d6	76	84-123
Y1X93	1,2-Dichloropropane-d6	82	84-123
Y1X95	1,2-Dichloropropane-d6	82	84-123
Y1XA6	1,2-Dichloropropane-d6	82	84-123
Y1X91	trans-1,3-Dichloropropene-d4	78	80-128

Detected results for affected analytes may be biased low. Where results are nondetected, false negatives may exist. The samples were not reanalyzed.

Surrogates (e.g., deuterated monitoring compounds (DMCs)) are organic compounds which are similar to the target analytes in chemical composition and behavior in the analytical process, but which are not normally found in environmental samples. All samples are spiked with DMCs prior to purging. DMCs provide information about both the laboratory performance on individual samples and the possible effects of the sample matrix on the analytical results.

E. The laboratory reported detected results for tertiary butyl alcohol in samples Y1X94, Y1X95, Y1X98, Y1XA1, and Y1XA8. However, the mass spectra do not meet the specified functional guideline criteria. In the reviewer's professional judgment, tertiary butyl alcohol in samples Y1X94, Y1X95, Y1X98, Y1XA1, and Y1XA8 should not be reported as detects because characteristic ions m/z 56 and m/z 57 are missing in the sample mass spectra (see attached mass spectra, p. 103, 139, 190, 240, and 347 in data package). In addition, the base peak at m/z 59 was also found in the method blank VBLKFK at approximately the same retention time (see attached mass spectra, p. 477 in data package).

   For tertiary butyl alcohol in samples Y1X94, Y1X95, Y1X98, Y1XA1, and Y1XA8, the quantitation limits have been raised to the sample results and reported as nondetected and estimated (U,J).

F. Sample Y1X94 was reanalyzed at a 2.8-fold dilution due to the high level of trichloroethene (TCE) that exceeded the calibration range. The result for TCE in sampleY1X94 was reported from the diluted sample in Table 1A; results for all other analytes are reported from the undiluted sample.

ANALYTICAL RESULTS
Table 1A

Case No. : 34175 SDG No. : Y1X91
Site : Alhambra
Lab : LIBERTY ANALYTICAL CORPORATION
Reviewer : Kendra DeSantolo, ESAT/LDC
Date : July 27, 2005

QUALIFIED DATA
Concentration in ug/L

Analysis Type : Low Level Water Samples For Volatiles

Station Location :	12			13			14			23			24			25			26		
Sample ID :	Y1XA0			Y1XA1			Y1XA2 EB			Y1XA3			Y1XA4			Y1XA5			Y1XA6		
Collection Date :	5/18/2005			5/18/2005			5/18/2005			5/18/2005			5/19/2005			5/19/2005			5/19/2005		
Dilution Factor :	1.0			1.0			1.0			1.0			1.0			1.0			1.0		
Volatile Compound	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Dichlorodifluoromethane	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U			0.50U	J	B
Chloromethane	0.50U			0.50U			0.50U			0.50U			0.14L	J	A	0.50U			0.50U		
Vinyl Chloride	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
Bromomethane	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
Chloroethane	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
Trichlorofluoromethane	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
1,1-Dichloroethene	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U			0.12L	J	A
1,1,2-Trichloro-1,2,2-trifluoroethane	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
Acetone	5.0U	J	BC	5.0U	J	C	4.9L	J	AC	5.0U	J	C	5.0U	J	C	5.0U	J	C	5.0U	J	BC
Carbon Disulfide	0.39L	J	A	0.17L	J	A	0.50U			0.49L	J	A	0.63			0.20L	J	A	0.29L	J	A
Methyl Acetate	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
Methylene Chloride	0.50U			0.50U	J	B	0.15L	J	A	0.50U	J	B	0.11L	J	A	0.50U			0.50U	J	B
trans-1,2-Dichloroethene	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
Methyl tert-Butyl Ether	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
1,1-Dichloroethane	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
cis-1,2-Dichloroethene	2.0			2.7			0.50U			0.50U			0.50U			0.50U			0.50U		
2-Butanone	5.0U			5.0U			5.0U			5.0U			5.0U			5.0U			5.0U	J	C
Bromochloromethane	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
Chloroform	0.36L	J	A	0.59			0.50U			0.50U			0.50U			0.50U			0.50U		
1,1,1-Trichloroethane	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
Cyclohexane	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U			0.50U	J	D
Carbon Tetrachloride	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
Benzene	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
1,2-Dichloroethane	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
Trichloroethene	3.3			3.7			0.50U			0.17L	J	A	0.50U			0.50U			0.50U		
Methylcyclohexane	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U			0.50U	J	D
1,2-Dichloropropane	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U			0.50U	J	D
Bromodichloromethane	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U			0.50U	J	D
cis-1,3-Dichloropropene	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
4-Methyl-2-pentanone	5.0U			5.0U			5.0U			5.0U			5.0U			5.0U			5.0U		
Toluene	0.50U			0.50U			0.50U	J	B	0.50U			0.50U			0.50U			0.50U		
trans-1,3-Dichloropropene	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
1,1,2-Trichloroethane	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
Tetrachloroethene	0.50U			0.50U			0.50U			0.16L	J	A	0.50U			0.55			0.38L	J	A
2-Hexanone	5.0U			5.0U			5.0U			5.0U			5.0U			5.0U			5.0U		
Dibromochloromethane	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
1,2-Dibromoethane	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		

ANALYTICAL RESULTS
Table 1A

Case No. : 34175 SDG No. : Y1X91
Site : Alhambra
Lab : LIBERTY ANALYTICAL CORPORATION
Reviewer : Kendra DeSantolo, ESAT/LDC
Date : July 27, 2005

QUALIFIED DATA
Concentration in ug/L

Analysis Type : Low Level Water Samples
For Volatiles

Station Location :	12			13			14			23			24			25			26		
Sample ID :	Y1XA0			Y1XA1			Y1XA2 EB			Y1XA3			Y1XA4			Y1XA5			Y1XA6		
Collection Date :	5/18/2005			5/18/2005			5/18/2005			5/18/2005			5/19/2005			5/19/2005			5/19/2005		
Dilution Factor :	1.0			1.0			1.0			1.0			1.0			1.0			1.0		
Volatile Compound	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Chlorobenzene	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
Ethylbenzene	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
Xylenes (total)	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
Styrene	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
Bromoform	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
Isopropylbenzene	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
1,1,2,2-Tetrachloroethane	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
1,3-Dichlorobenzene	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
1,4-Dichlorobenzene	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
1,2-Dichlorobenzene	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
1,2-Dibromo-3-chloropropane	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
1,2,4-Trichlorobenzene	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
1,2,3-Trichlorobenzene	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
Tertiary Butyl Alcohol	5.0U	J	C	8.2U	J	CE	5.0U	J	C	5.0U	J	C	5.0U	J	C	5.0U	J	C	5.0U	J	C

Val - Validity. Refer to Data Qualifiers in Table 1B.
Com - Comments. Refer to the Corresponding Section in the Narrative for each letter.
CRQL - Contract Required Quantitation Limit, N/A - Not Applicable, NA - Not Analyzed

D1, D2, etc. - Field Duplicate Pairs
FB - Field Blank, EB - Equipment Blank, TB - Trip Blank, BG - Background Sample

ANALYTICAL RESULTS
Table 1A

Case No. : 34175 SDG No. : Y1X91
Site : Alhambra
Lab : LIBERTY ANALYTICAL CORPORATION
Reviewer : Kendra DeSantolo, ESAT/LDC
Date : July 27, 2005

QUALIFIED DATA
Concentration in ug/L

Analysis Type : Low Level Water Samples For Volatiles

Station Location :	27			28			29			30			16			17			18		
Sample ID :	Y1XA7			Y1XA8	D2		Y1XA9	D2		Y1XB0	EB		Y1X91			Y1X92	D1		Y1X93	D1	
Collection Date :	5/19/2005			5/19/2005			5/19/2005			5/19/2005			5/17/2005			5/17/2005			5/17/2005		
Dilution Factor :	1.0			1.0			1.0			1.0			1.0			1.0			1.0		
Volatile Compound	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Dichlorodifluoromethane	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U	J	B	0.50U		
Chloromethane	0.50U			0.36L	J	A	0.38L	J	A	0.50U			0.50U			0.11L	J	A	0.50U		
Vinyl Chloride	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
Bromomethane	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
Chloroethane	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
Trichlorofluoromethane	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
1,1-Dichloroethene	0.50U			0.50U			0.50U			0.50U			0.50U			0.13L	J	A	0.50U		
1,1,2-Trichloro-1,2,2-trifluoroethane	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
Acetone	5.0U	J	BC	5.0U	J	BC	5.0U	J	BC	7.8	J	C	5.0U	J	C	5.0U	J	C	5.0U	J	C
Carbon Disulfide	0.50U			0.12L	J	A	0.50U			0.50U			0.32L	J	A	0.18L	J	A	0.14L	J	A
Methyl Acetate	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
Methylene Chloride	0.50U	J	B	0.50U	J	B	0.50U	J	B	0.50U	J	B	0.50U			0.50U	J	B	0.50U		
trans-1,2-Dichloroethene	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U	J	D	0.50U		
Methyl tert-Butyl Ether	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
1,1-Dichloroethane	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
cis-1,2-Dichloroethene	0.50U			0.50U			0.50U			0.50U			0.14L	J	A	0.34L	J	AD	0.32L	J	A
2-Butanone	5.0U	J	C	5.0U	J	C	5.0U	J	C	5.0U	J	C	5.0U			5.0U			5.0U		
Bromochloromethane	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
Chloroform	0.50U			0.50U			0.11L	J	A	0.50U			0.50U			0.50U			0.50U		
1,1,1-Trichloroethane	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
Cyclohexane	0.50U			0.50U			0.50U			0.50U			0.50U	J	D	0.50U	J	D	0.50U	J	D
Carbon Tetrachloride	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
Benzene	0.50U			0.50U			0.50U			0.50U			0.50U			0.12L	J	A	0.11L	J	A
1,2-Dichloroethane	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
Trichloroethene	1.3			2.2			2.4			0.50U			1.6			1.3			1.3		
Methylcyclohexane	0.50U			0.50U			0.50U			0.50U			0.50U	J	D	0.50U	J	D	0.50U	J	D
1,2-Dichloropropane	0.50U			0.50U			0.50U			0.50U			0.50U	J	D	0.50U	J	D	0.50U	J	D
Bromodichloromethane	0.50U			0.50U			0.50U			0.50U			0.50U	J	D	0.50U	J	D	0.50U	J	D
cis-1,3-Dichloropropene	0.50U			0.50U			0.50U			0.50U			0.50U	J	D	0.50U			0.50U		
4-Methyl-2-pentanone	5.0U			5.0U			5.0U			5.0U			5.0U			5.0U			5.0U		
Toluene	0.50U			0.50U			0.50U			0.54U	J	B	0.50U			0.50U	J	B	0.50U	J	B
trans-1,3-Dichloropropene	0.50U			0.50U			0.50U			0.50U			0.50U	J	D	0.50U			0.50U		
1,1,2-Trichloroethane	0.50U			0.50U			0.50U			0.50U			0.50U	J	D	0.50U			0.50U		
Tetrachloroethene	9.8			2.6			2.8			0.50U			0.50U			0.50U			0.50U		
2-Hexanone	5.0U			5.0U			5.0U			5.0U			5.0U			5.0U			5.0U		
Dibromochloromethane	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
1,2-Dibromoethane	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		

ANALYTICAL RESULTS
Table 1A

Case No.: 34175 SDG No.: Y1X91
Site: Alhambra
Lab: LIBERTY ANALYTICAL CORPORATION
Reviewer: Kendra DeSantolo, ESAT/LDC
Date: July 27, 2005

QUALIFIED DATA
Concentration in ug/L

Analysis Type: Low Level Water Samples
For Volatiles

Station Location:	27			28			29			30			16			17			18		
Sample ID:	Y1XA7			Y1XA8	D2		Y1XA9	D2		Y1XB0	EB		Y1X91			Y1X92	D1		Y1X93	D1	
Collection Date:	5/19/2005			5/19/2005			5/19/2005			5/19/2005			5/17/2005			5/17/2005			5/17/2005		
Dilution Factor:	1.0			1.0			1.0			1.0			1.0			1.0			1.0		
Volatile Compound	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Chlorobenzene	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
Ethylbenzene	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
Xylenes (total)	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
Styrene	0.50U			0.50U			0.50U			0.50U			0.50U			0.11L	J	A	0.50U		
Bromoform	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
Isopropylbenzene	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
1,1,2,2-Tetrachloroethane	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
1,3-Dichlorobenzene	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
1,4-Dichlorobenzene	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
1,2-Dichlorobenzene	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
1,2-Dibromo-3-chloropropane	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
1,2,4-Trichlorobenzene	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
1,2,3-Trichlorobenzene	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
Tertiary Butyl Alcohol	5.0U	J	C	8.0U	J	CE	5.0U	J	C	5.0U	J	C	5.0U	J	C	5.0U	J	C	5.0U	J	C

Val - Validity. Refer to Data Qualifiers in Table 1B.
Com - Comments. Refer to the Corresponding Section in the Narrative for each letter.
CRQL - Contract Required Quantitation Limit, N/A - Not Applicable, NA - Not Analyzed

D1, D2, etc. - Field Duplicate Pairs
FB - Field Blank, EB - Equipment Blank, TB - Trip Blank, BG - Background Sample

ANALYTICAL RESULTS
Table 1A

Case No. : 34175 SDG No. : Y1X91
Site : Alhambra
Lab : LIBERTY ANALYTICAL CORPORATION
Reviewer : Kendra DeSantolo, ESAT/LDC
Date : July 27, 2005

QUALIFIED DATA
Concentration in ug/L

Analysis Type : Low Level Water Samples
For Volatiles

Station Location :	19			20			21			9			10			11			Method Blank		
Sample ID :	Y1X94			Y1X95			Y1X96 EB			Y1X97			Y1X98			Y1X99			VBLKFJ		
Collection Date :	5/17/2005			5/17/2005			5/17/2005			5/18/2005			5/18/2005			5/18/2005					
Dilution Factor :	1.0			1.0			1.0			1.0			1.0			1.0			1.0		
Volatile Compound	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Dichlorodifluoromethane	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
Chloromethane	0.11L	J	A	0.20L	J	A	0.50U			0.50U			0.50U			0.50U			0.50U		
Vinyl Chloride	0.12L	J	A	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
Bromomethane	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
Chloroethane	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
Trichlorofluoromethane	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
1,1-Dichloroethene	0.75			0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
1,1,2-Trichloro-1,2,2-trifluoroethane	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
Acetone	5.0U	J	C	5.0U	J	BC	4.9J	J	AC	5.0U	J	BC	5.0U	J	C	5.0U	J	C	5.0U	J	C
Carbon Disulfide	0.50U			0.50U			0.50U			4.0			1.1			0.70			0.50U		
Methyl Acetate	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
Methylene Chloride	0.50U	J	B	0.50U	J	B	0.14L	J	A	0.50U	J	B	0.50U	J	B	0.50U	J	B	0.50U		
trans-1,2-Dichloroethene	0.21L	J	A	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
Methyl tert-Butyl Ether	0.20L	J	A	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
1,1-Dichloroethane	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
cis-1,2-Dichloroethene	7.3			0.23L	J	A	0.50U			0.50U			0.50U			0.90			0.50U		
2-Butanone	5.0U			5.0U	J	C	2.6L	J	A	5.0U			5.0U			5.0U			5.0U		
Bromochloromethane	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
Chloroform	0.30L	J	A	0.50U			0.50U			0.50U			0.50U			0.36L	J	A	0.50U		
1,1,1-Trichloroethane	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
Cyclohexane	0.50U			0.50U	J	D	0.50U			0.50U			0.50U			0.50U			0.50U		
Carbon Tetrachloride	0.21L	J	A	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
Benzene	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
1,2-Dichloroethane	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
Trichloroethene	42		F	2.3			0.50U			0.50U			0.11L	J	A	14			0.50U		
Methylcyclohexane	0.50U			0.50U	J	D	0.50U			0.50U			0.50U			0.50U			0.50U		
1,2-Dichloropropane	0.50U			0.50U	J	D	0.50U			0.50U			0.50U			0.50U			0.50U		
Bromodichloromethane	0.50U			0.50U	J	D	0.50U			0.50U			0.50U			0.50U			0.50U		
cis-1,3-Dichloropropene	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
4-Methyl-2-pentanone	5.0U			5.0U			5.0U			5.0U			5.0U			5.0U			5.0U		
Toluene	0.50U			0.50U			0.50U	J	B	0.50U			0.50U			0.50U			0.10L	J	A
trans-1,3-Dichloropropene	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
1,1,2-Trichloroethane	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
Tetrachloroethene	0.85			0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
2-Hexanone	5.0U			5.0U			5.0U			5.0U			5.0U			5.0U			5.0U		
Dibromochloromethane	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
1,2-Dibromoethane	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		

ANALYTICAL RESULTS
Table 1A

Case No.: 34175 SDG No.: Y1X91
Site: Alhambra
Lab: LIBERTY ANALYTICAL CORPORATION
Reviewer: Kendra DeSantolo, ESAT/LDC
Date: July 27, 2005

QUALIFIED DATA
Concentration in ug/L

Analysis Type: Low Level Water Samples
For Volatiles

Station Location:	19			20			21			9			10			11			Method Blank		
Sample ID:	Y1X94			Y1X95			Y1X96 EB			Y1X97			Y1X98			Y1X99			VBLKFJ		
Collection Date:	5/17/2005			5/17/2005			5/17/2005			5/18/2005			5/18/2005			5/18/2005					
Dilution Factor:	1.0			1.0			1.0			1.0			1.0			1.0			1.0		
Volatile Compound	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Chlorobenzene	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
Ethylbenzene	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
Xylenes (total)	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
Styrene	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
Bromoform	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
Isopropylbenzene	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
1,1,2,2-Tetrachloroethane	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
1,3-Dichlorobenzene	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
1,4-Dichlorobenzene	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
1,2-Dichlorobenzene	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
1,2-Dibromo-3-chloropropane	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
1,2,4-Trichlorobenzene	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
1,2,3-Trichlorobenzene	0.50U			0.50U			0.50U			0.50U			0.50U			0.50U			0.50U		
Tertiary Butyl Alcohol	5.7U	J	CE	14U	J	CE	5.0U	J	C	5.0U	J	C	7.2U	J	CE	5.0U	J	C	5.0U	J	C

Val - Validity. Refer to Data Qualifiers in Table 1B.
Com - Comments. Refer to the Corresponding Section in the Narrative for each letter.
CRQL - Contract Required Quantitation Limit, N/A - Not Applicable, NA - Not Analyzed

D1, D2, etc. - Field Duplicate Pairs
FB - Field Blank, EB - Equipment Blank, TB - Trip Blank, BG - Background Sample

ANALYTICAL RESULTS
Table 1A

Case No. : 34175 SDG No. : Y1X91
Site : Alhambra
Lab : LIBERTY ANALYTICAL CORPORATION
Reviewer : Kendra DeSantolo, ESAT/LDC
Date : July 27, 2005

QUALIFIED DATA
Concentration in ug/L

Analysis Type : Low Level Water Samples For Volatiles

Station Location :	Method Blank			Storage Blank			CRQL													
Sample ID :	VBLKFK			VHBLKYR																
Collection Date :																				
Dilution Factor :	1.0			1.0																
Volatile Compound	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**				**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Dichlorodifluoromethane	0.50U			0.16L	J	A	0.50													
Chloromethane	0.50U			0.50U			0.50													
Vinyl Chloride	0.50U			0.50U			0.50													
Bromomethane	0.50U			0.50U			0.50													
Chloroethane	0.50U			0.50U			0.50													
Trichlorofluoromethane	0.50U			0.50U			0.50													
1,1-Dichloroethene	0.50U			0.50U			0.50													
1,1,2-Trichloro-1,2,2-trifluoroethane	0.50U			0.50U			0.50													
Acetone	5.0U	J	C	5.0U	J	C	5.0													
Carbon Disulfide	0.50U			0.50U			0.50													
Methyl Acetate	0.50U			0.50U			0.50													
Methylene Chloride	0.14L	J	A	0.50U			0.50													
trans-1,2-Dichloroethene	0.50U			0.50U			0.50													
Methyl tert-Butyl Ether	0.50U			0.50U			0.50													
1,1-Dichloroethane	0.50U			0.50U			0.50													
cis-1,2-Dichloroethene	0.50U			0.50U			0.50													
2-Butanone	5.0U	J	C	5.0U	J	C	5.0													
Bromochloromethane	0.50U			0.50U			0.50													
Chloroform	0.50U			0.50U			0.50													
1,1,1-Trichloroethane	0.50U			0.50U			0.50													
Cyclohexane	0.50U			0.50U			0.50													
Carbon Tetrachloride	0.50U			0.50U			0.50													
Benzene	0.50U			0.50U			0.50													
1,2-Dichloroethane	0.50U			0.50U			0.50													
Trichloroethene	0.50U			0.50U			0.50													
Methylcyclohexane	0.50U			0.50U			0.50													
1,2-Dichloropropane	0.50U			0.50U			0.50													
Bromodichloromethane	0.50U			0.50U			0.50													
cis-1,3-Dichloropropene	0.50U			0.50U			0.50													
4-Methyl-2-pentanone	5.0U			5.0U			5.0													
Toluene	0.50U			0.19L	J	A	0.50													
trans-1,3-Dichloropropene	0.50U			0.50U			0.50													
1,1,2-Trichloroethane	0.50U			0.50U			0.50													
Tetrachloroethene	0.50U			0.50U			0.50													
2-Hexanone	5.0U			5.0U			5.0													
Dibromochloromethane	0.50U			0.50U			0.50													
1,2-Dibromoethane	0.50U			0.50U			0.50													

ANALYTICAL RESULTS
Table 1A

Case No: 34175 SDG No.: Y1X91
Site: Alhambra
Lab: LIBERTY ANALYTICAL CORPORATION
Reviewer: Kendra DeSantolo, ESAT/LDC
Date: July 27, 2005

QUALIFIED DATA
Concentration in ug/L

Analysis Type: Low Level Water Samples
For Volatiles

Station Location	Method Blank			Storage Blank			CRQL													
Sample ID	VBLKFK			VHBLKYR																
Collection Date																				
Dilution Factor	1.0			1.0																
Volatile Compound	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**				**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Chlorobenzene	0.50U			0.50U			0.50													
Ethylbenzene	0.50U			0.50U			0.50													
Xylenes (total)	0.50U			0.50U			0.50													
Styrene	0.50U			0.50U			0.50													
Bromoform	0.50U			0.50U			0.50													
Isopropylbenzene	0.50U			0.50U			0.50													
1,1,2,2-Tetrachloroethane	0.50U			0.50U			0.50													
1,3-Dichlorobenzene	0.50U			0.50U			0.50													
1,4-Dichlorobenzene	0.50U			0.50U			0.50													
1,2-Dichlorobenzene	0.50U			0.50U			0.50													
1,2-Dibromo-3-chloropropane	0.50U			0.50U			0.50													
1,2,4-Trichlorobenzene	0.50U			0.50U			0.50													
1,2,3-Trichlorobenzene	0.50U			0.50U			0.50													
Tertiary Butyl Alcohol	5.0U	J	C	5.0U	J	C	5.0													

Val - Validity. Refer to Data Qualifiers in Table 1B.
Com - Comments. Refer to the Corresponding Section in the Narrative for each letter.
CRQL - Contract Required Quantitation Limit, N/A - Not Applicable, NA - Not Analyzed

D1, D2, etc. - Field Duplicate Pairs
FB - Field Blank, EB - Equipment Blank, TB - Trip Blank, BG - Background Sample

TABLE 1B

DATA QUALIFIER DEFINITIONS FOR ORGANIC DATA REVIEW

The definitions of the following qualifiers are prepared according to the document, "USEPA Contract Laboratory Program National Functional Guidelines for Low Concentration Organic Data Review," June 2001.

U	The analyte was analyzed for, but was not detected above the level of the adjusted Contract Required Quantitation Limit (CRQL) for sample and method.
L	Indicates results which fall below the Contract Required Quantitation Limit. Results are estimated and are considered qualitatively acceptable but quantitatively unreliable due to uncertainties in the analytical precision near the limit of detection.
J	The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
NJ	The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.
UJ	The analyte was not detected above the adjusted CRQL. However, the reported adjusted CRQL is approximate and may be inaccurate or imprecise.
R	The sample results are unusable. The analyte may or may not be present in the sample.

Table 2
Calibration Summary

Case No.: 34175
SDG No.: Y1X91
Site: Alhambra
Laboratory: Liberty Analytical Corp. (LIBRTY)
Reviewer: Kendra DeSantolo, ESAT/LDC
Date: July 27, 2005

RELATIVE RESPONSE FACTORS

	RRF	RRF	RRF
Analysis date:	05/25/05	05/25/05	05/26/05
Analysis time:	1604-1754	16:59	09:13
GC/MS I.D.:	5972HP73	5972HP73	5972HP73
Analyte	Init.	Cont.	Cont.
Acetone	0.035	0.033	0.029
2-Butanone	------	------	0.045
Tertiary butyl alcohol	0.013	0.012	0.011
2-Butanone-d5	0.043	0.041	0.044
trans-1,3-Dichloropropene-d4	0.045	0.046	0.047
2-Hexanone-d5	0.040	0.039	0.039

RELATIVE STANDARD DEVIATIONS

	RSD
Analysis Date:	5/25/05
Analysis Time:	1604-1754
GC/MS I.D.:	5972HP73
Analyte	Init.
Vinyl chloride-d3	32.7

ASSOCIATED SAMPLES AND METHOD BLANKS

Initial, 05/25/05:	All samples, all method blanks, and storage blank VHBLKYR
Continuing, 05/25/05:	Y1X91 through Y1X94, Y1X96 through Y1X99, Y1XA0 through Y1XA5; VBLKFJ
Continuing, 05/26/05:	Y1X94DL, Y1X95, Y1XA6 through Y1XA9, Y1XA7MS, Y1XA7MSD, Y1XB0; VBLKFK; VHBLKYR.

1LCF
LOW CONCENTRATION WATER VOLATILE ORGANICS ANALYSIS
DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Y1X92 (D1)

Lab Name: COMPUCHEM Contract: 68W01043

Lab Code: LIBRTY Case No.: 34175 Client No.: 1125.1 SDG No.: Y1X91

Lab Sample ID: 661902 Date Received: 05/18/2005

Lab File ID: 661902B73 Date Analyzed: 05/25/2005

Purge Volume: 25.0(ML) Dilution Factor: 1.0

GC Column: SPB-624 ID: 0.32(MM) Length: 60.0(M)

Number TICs found: 2

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC. (UG/L)	Q
01		UNKNOWN	3.77	0.73	J
02	75-45-6	METHANE, CHLORODIFLUORO-	3.87	2.2	NJ
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

FORM I LCV-TIC OLC03.2

1LCF
LOW CONCENTRATION WATER VOLATILE ORGANICS ANALYSIS
DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Y1X93(ﻟﻪ)

Lab Name: COMPUCHEM Contract: 68W01043

Lab Code: LIBRTY Case No.: 34175 Client No.: 1125.1 SDG No.: Y1X91

Lab Sample ID: 661903 Date Received: 05/18/2005

Lab File ID: 661903B73 Date Analyzed: 05/25/2005

Purge Volume: 25.0(ML) Dilution Factor: 1.0

GC Column: SPB-624 ID: 0.32(MM) Length: 60.0(M)

Number TICs found: 4

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC. (UG/L)	Q
01		UNKNOWN	3.77	0.76	J
02		UNKNOWN	3.87	2.0	J
03	~~420-56-4~~	~~SILANE, FLUOROTRIMETHYL~~	~~4.78~~	~~0.87~~	~~NJ~~
04		~~LABORATORY ARTIFACT~~	~~12.75~~	~~0.78~~	~~J~~
05					
06					
07		SL, 7/11/05.			
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

FORM I LCV-TIC OLC03.2

1LCF

LOW CONCENTRATION WATER VOLATILE ORGANICS ANALYSIS
DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Y1X94

Lab Name: COMPUCHEM Contract: 68W01043

Lab Code: LIBRTY Case No.: 34175 Client No.: 1125.1 SDG No.: Y1X91

Lab Sample ID: 661904 Date Received: 05/18/2005

Lab File ID: 661904B73 Date Analyzed: 05/25/2005

Purge Volume: 25.0(ML) Dilution Factor: 1.0

GC Column: SPB-624 ID: 0.32(MM) Length: 60.0(M)

Number TICs found: 2

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC. (UG/L)	Q
01	75-45-6	METHANE, CHLORODIFLUORO-	3.87	14	NJ
02		~~UNKNOWN~~	~~4.12~~	~~1.2~~	~~J~~
03					
04					
05		SC, 7/11/05.			
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

1LCF

LOW CONCENTRATION WATER VOLATILE ORGANICS ANALYSIS
DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Y1X95

Lab Name: COMPUCHEM Contract: 68W01043

Lab Code: LIBRTY Case No.: 34175 Client No.: 1125.1 SDG No.: Y1X91

Lab Sample ID: 661905 Date Received: 05/18/2005

Lab File ID: 661905RA73 Date Analyzed: 05/26/2005

Purge Volume: 25.0(ML) Dilution Factor: 1.0

GC Column: SPB-624 ID: 0.32(MM) Length: 60.0(M)

Number TICs found: 1

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC. (UG/L)	Q
01		UNKNOWN	4.11	22	J
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					